ELSEVIER

The Journal of Systems and Software 63 (2002) 259–260

The Journal of Systems and Software

www.elsevier.com/locate/jss

Contents Volume 63

Contents

A partitioning method for efficient system-level diagnosis
G. Jeon and Y. Cho 1

Perception differences of software success: provider and user views of system metrics
J.J. Jiang, G. Klein and R. Discenza 17

Business process reengineering and workflow automation: a technology transfer experience
L. Aversano, G. Canfora, A. De Lucia and P. Gallucci 29

An abbreviated concept-based query language and its exploratory evaluation
V. Owei, S.B. Navathe and H.-S. Rhee 45

A capacity planning model of unreliable multimedia service systems
K. Park and S. Kim 69

Call for Papers 77

COPS: cooperative problem solving using DCOM
N. Darwish 79

A simple and general approach to parallelize loops with arbitrary control flow and uniform data dependence distances
W.-L. Chang, C.-P. Chu and J.-H. Wu 91

A precise dependence analysis for multi-dimensional arrays under specific dependence direction
W.-L. Chang, C.-P. Chu and J.-H. Wu 99

Posting file partitioning and parallel information retrieval
Y.-C. Ma, T.-F. Chen and C.-P. Chung 113

Treating uncertainty in distributed scheduling
A.M. Barroso, J.C.B. Leite and O.G. Loques 129

Checkpointing MPI applications on symmetric multi-processor machines using SMPCkpt
C.-R. Dow, J.-S. Chen and M.-C. Hsieh 137

Controversy corner

On the attractiveness of the star network
A.-E. Al-Ayyoub, K. Day and A. Al-Dhelaan 151

Call for Papers 159

The reflective practitioner perspective in software engineering education
O. Hazzan 161

Analyzing software science data with partial repeatability
K.-Y. Cai and L. Chen 173

DMMX: Dynamic memory management extensions
J.M. Chang, W. Srisa-an, C.-T. Dan Lo and E.F. Gehringer 187

Versioning concurrency control for hard real-time systems
L. Shu and M. Young 201

Performance evaluation of linear hash structure model in a nested transaction environment
M.A. Tubaishat, S.K. Madria and B. Bhargava 219

FasTLInC: a constraint-based tracing approach
A.Q. Gates and O. Mondragon 241

Contents Volume 63 259